

**AMENDMENTS TO THE CLAIMS**

**This listing of claims will replace all prior versions and listings of claims in the application:**

**LISTING OF CLAIMS:**

1. *(Currently Amended)* A computerized method of dynamic personalized reading instruction comprising the computer-implemented steps of:
  - determining a first word recognition level of a user;
  - displaying words to the user based on the determined first word recognition level from a set of words classified by word recognition levels;
  - providing at least one comprehension aid to the user, the provided comprehension aid operable to help the user to comprehend the displayed words;
  - determining word recognition errors based on user comprehension of the displayed words using the at least one comprehension aid provided to the user; and
  - determining a second word recognition level of the user based on the determined word recognition errors.
2. *(Currently Amended)* The computerized method of claim 1, wherein the first word recognition level is determined based on at least one of: age, scholastic grade and level within the grade, and an interactive test sequence.

3. (Currently Amended) The computerized method of claim 1, wherein at least one of a set of words in the set of words classified by word recognition level is associated with a comprehension aid.

4. (Currently Amended) The computerized method of claim 3, wherein the comprehension aid is a human sensible explanation of the concept of at least one classified word.

5. (Currently Amended) The computerized method of claim 4, wherein the human sensible explanation of the concept is at least one of: a graphic icon, an animation, audio information, and video information.

6. (Currently Amended) A computerized method of dynamic personalized reading instruction comprising the computer-implemented steps of:

- determining a text;
- analyzing the text based on a theory of discourse analysis;
- determining a first user reading level;
- displaying a grammatical tunable text summary to the user based on the determined user reading level;
- providing at least one comprehension aid to the user, the provided comprehension aid operable to help the user to comprehend the text;
- determining user comprehension of the text using the at least one comprehension aid provided to the user; and

determining a further user reading levels based on the user comprehension and reading level.

7. *(Currently Amended)* The computerized method of claim 6, further comprising the step of displaying salient information from the grammatical tunable text summary based on at least one of: a user request, determined reading speed, and determined comprehension level.

8. *(Currently Amended)* The computerized method of claim 7, wherein the text is analyzed based on at least one of: the Discourse Structures Theory, Linguistic Discourse Model, Rhetorical Structure Theory, Systemic Functional Grammar, and Tagmemics.

9. *(Currently Amended)* The computerized method of claim 7, wherein a first user reading level is determined based on at least one of: age, academic grade and level within the grade, and interactive test performance.

10. *(Currently Amended)* The computerized method of claim 9, wherein at least one comprehension aid is associated with at least one portion of the grammatical tunable text summary.

11. *(Currently Amended)* The computerized method of claim 10, wherein the at least one comprehension aid is a human sensible concept explanation for at least one of the portions of the grammatical tunable text summary.

12. *(Currently Amended)* The computerized method of claim 11, wherein the at least one comprehension aid includes at least one of: a graphic icon, an animation, audio information, and video information.

13. *(Currently Amended)* A computerized method of combined word and sentence level dynamic personalized reading instruction comprising the computer-implemented steps of:

- providing word level dynamic personalized instruction comprising the steps of:
  - determining a first word recognition level of a user;
  - displaying to the user words based on the determined first word recognition level from a set of words classified by word recognition levels;
  - providing at least one comprehension aid to the user, the provided comprehension aid operable to help the user to comprehend the displayed words;
  - determining word recognition error based on user comprehension of a word using the at least one comprehension aid provided to the user;
  - determining a second word recognition level of the user based on the determined user word recognition errors;
- providing sentence level dynamic personalized instruction comprising the steps of:
  - determining a text;
  - analyzing the text based on a theory of discourse analysis;
  - determining a first user reading level;
  - displaying a grammatical tunable text summary based on the determined reading level;

determining user comprehension of the text; and  
determining a second user reading level based on the user comprehension and reading level.

14. (*Previously Presented*) A system for dynamic personalized reading instruction comprising:

- a controller;
- a memory for storing words and comprehension aids classified by word recognition levels;
- a word recognition level determining circuit for determining a word recognition level of a user;
- a word display circuit for displaying to the user words from the stored words based on the determined word recognition level;
- a recognition error determining circuit for determining user recognition errors;
- a comprehension aid display circuit for displaying comprehension aids to the user based on the determined user recognition errors; and
- a word recognition level adjusting circuit adjusting the word recognition level of the user based on the determined recognition user errors.

15. (*Previously Presented*) The system of claim 14, wherein a first word recognition level is determined based on at least one of: age, scholastic grade and level within the grade, and an interactive test sequence.

16. (*Original*) The system of claim 14, wherein at least one of a set of words in the set of words classified by word recognition level is associated with a comprehension aid.

17. (*Original*) The system of claim 16, wherein the comprehension aid is a human sensible explanation of the concept of at least one classified word.

18. (*Previously Presented*) The system of claim 17, wherein the human sensible explanation of the concept is at least one of: a graphic icon, an animation, audio information, and video information.

19. (*Previously Presented*) A system for dynamic personalized reading instruction comprising:

a memory;

an input/output circuit for loading a selected text into the memory;

a discourse analysis circuit for analyzing the text;

a grammatical tunable text summary generating circuit for determining a grammatical tunable text summary of the analyzed text;

a text determining circuit for determining display text based on a determined reading level information of a user;

a comprehension question generating circuit for generating comprehension questions to the user based on the grammatical tunable text summary; and

a controller for determining a new reading level of the user based on at least one of the determined user comprehension and reading speed.

20. *(Previously Presented)* The system of claim 19, wherein salient information from the grammatical tunable text summary is displayed based on at least one of: a user request, determined reading speed, and determined comprehension.

21. *(Previously Presented)* The system of claim 19, wherein the text is analyzed based on at least one of: the Discourse Structures Theory, Linguistic Discourse Model, Rhetorical Structure Theory, Systemic Functional Grammar, and Tagmemics.

22. *(Previously Presented)* The system of claim 19, wherein a first user reading level is determined based on at least one of: age, academic grade and level within the grade, and interactive test performance.

23. *(Original)* The system of claim 22, wherein at least one comprehension aid is associated with at least one portion of the grammatical tunable text summary.

24. *(Original)* The system of claim 23, wherein the at least one comprehension aid is a human sensible concept explanation for at least one of the portions of the grammatical tunable text summary.

25. *(Previously Presented)* The system of claim 24, wherein the at least one comprehension aid includes at least one of: a graphic icon, an animation, audio information, and video information.

26. *(Previously Presented)* A system of combined word and sentence level dynamic personalized reading instruction comprising:

a word level dynamic personalized instruction comprising:

a controller;

a memory for storing words, comprehension aids classified by word recognition levels and a text;

a word recognition level determining circuit for determining a word recognition level of a user;

a word display circuit for displaying words from the stored words based on the determined word recognition level;

a recognition error determining circuit for determining user recognition errors;

a comprehension aid display circuit for displaying comprehension aids to the user based on the determined user recognition errors;

a word recognition level adjusting circuit adjusting the word recognition level based on the determined user recognition errors; and

a sentence level dynamic personalized instruction circuit comprising:

an input/output circuit for loading a selected text into the memory;

a discourse analysis circuit for analyzing the text;

a grammatical tunable text summary generating circuit for determining a grammatical tunable text summary of the analyzed text;

a text determining circuit for determining display text based on a determined reading level information of the user;



a comprehension question generating circuit for generating comprehension questions to the user based on the grammatical tunable text summary; and

a controller for determining a new reading level of the user based on at least one of the determined user comprehension and reading speed.

27. *(Currently Amended)* A computerized method of dynamic personalized reading instruction comprising the computer-implemented steps of:

determining a text in a first language;

analyzing the text based on a theory of discourse analysis;

determining a first reading level of a user;

displaying a grammatical tunable text summary based on the determined reading level;

determining user comprehension errors for the text;

displaying comprehension aids based on at least the determined user comprehension errors, a language of instruction, and the determined user reading level; and

determining a second user reading level based on the user comprehension and reading level.

28. *(Currently Amended)* A computer readable storage medium, comprising a computer readable program code embodied on the computer readable storage medium, the computer readable program code usable to program a computer to perform dynamic personalized reading instruction further comprising carrier-wave-encoded-to-transmit-a-control-program-usable

~~for dynamic personalized reading instruction to a device for executing the control program, the control program including instructions comprising:~~

~~instructions for determining a first word recognition level of a user;~~

~~instructions for displaying words based on the determined word recognition level of a user from a set of words classified by word recognition levels;~~

~~instructions for providing at least one comprehension aid to the user, the provided comprehension aid operable to help the user to comprehend the displayed words;~~

~~instructions for determining word recognition errors based on user comprehension of a word using the at least one comprehension aid provided to the user; and~~

~~instructions for determining a second word recognition level of a user, the first word recognition level being dynamically adjusted based on the determined word recognition errors, wherein the first word recognition level is determined based on at least one of: age, scholastic grade and level within the grade, and an interactive test sequence.~~

29. *(Currently Amended)* A computer readable storage medium, comprising a computer readable program code embodied on the computer readable storage medium, the computer readable program code usable to program a computer to perform dynamic personalized reading instruction further comprising carrier wave encoded to transmit a control program usable for dynamic personalized reading instruction to a device for executing the control program, the control program including instructions comprising:

instructions for determining a text;

instructions for analyzing the text based on a theory of discourse analysis;

instructions for determining a first user reading level;

instruction for displaying a grammatical tunable text summary based on the determined reading level;

instructions for providing at least one comprehension aid to the user, the provided comprehension aid operable to help the user to comprehend the displayed text;

instructions for determining user comprehension of the text using the at least one comprehension aid provided to the user; [[and]]

instructions for determining further user reading levels based on the user comprehension and reading level; and

displaying salient information from the grammatical tunable text summary based on at least one of: a user request, determined reading speed, and determined comprehension level.

30. (*Currently Amended*) A computer readable storage medium, comprising a computer readable program code embodied on the computer readable storage medium, the computer readable program code usable to program a computer to perform dynamic personalized reading instruction further comprising ~~the steps of:~~

instructions for determining a first word recognition level of a user;

instructions for displaying to the user words based on the determined word recognition level from a set of words classified by word recognition levels;

instructions for providing at least one comprehension aid to the user, the provided comprehension aid operable to help the user to comprehend the displayed words;

instructions for determining word recognition errors based on user comprehension of a word using the at least one comprehension aid provided to the user; and

instructions for determining a second word recognition level of the user, the first word recognition level being dynamically adjusted based on the determined word recognition errors.

31. *(Currently Amended)* A computer readable storage medium, comprising a computer readable program code embodied on the computer readable storage medium, the computer readable program code usable to program a computer to perform dynamic personalized reading instruction further comprising the steps of:

instructions for determining a text;

instructions for analyzing the text based on a theory of discourse analysis;

instructions for determining a first user reading level;

instruction for displaying to the user a grammatical tunable text summary based on the determined reading level;

instructions for providing at least one comprehension aid to the user, the provided comprehension aid operable to help the user to comprehend the displayed text;

instructions for determining user comprehension of the text using the at least one comprehension aid provided to the user; and

instructions for determining a further user reading levels based on the user comprehension and reading level.